

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1-7. (cancelled)
8. (original) A field emission apparatus comprising:
  - a) a low pressure gaseous environment; and
  - b) a cathode comprising:
    - i. a substrate; and
    - ii. a metal salt-treated carbon nanotube layer deposited on the substrate.
9. (original) The field emission apparatus of claim 8, wherein the metal salt is selected from the group consisting of alkali metal salts, alkaline earth metal salts, transition metal salts, p-block metal salts, rare earth metal salts, and combinations thereof.
10. (original) The field emission apparatus of claim 8, wherein the metal salt is a cesium salt.
11. (original) The method of claim 8, wherein the metal salt-treated carbon nanotube layer comprises a thickness which ranges from about 1  $\mu\text{m}$  to about 10  $\mu\text{m}$ .
- 12-20. (cancelled)
21. (new) A field emission apparatus comprising:
  - a) a low pressure gaseous environment; and

- b) a cathode comprising:
  - i. a substrate; and
  - ii. a metal salt-treated carbon nanotube layer deposited on the substrate, wherein the metal salt-treated carbon nanotube layer comprises single-wall carbon nanotubes.

22. (new) The field emission apparatus of claim 21, wherein the metal salt is selected from the group consisting of alkali metal salts, alkaline earth metal salts, transition metal salts, p-block metal salts, rare earth metal salts, and combinations thereof.

23. (new) The field emission apparatus of claim 21, wherein the metal salt is a cesium salt.

24. (new) The method of claim 21, wherein the metal salt-treated carbon nanotube layer comprises a thickness which ranges from about 1  $\mu\text{m}$  to about 10  $\mu\text{m}$ .